Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/19/2019 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124933	-1	1.42	125056	1.42
Blue	F	SSC	125000	124382	-1	1.49	125163	1.46
Blue	E	FITC	16122	15618	-4	2.68	340	19.19
Blue	D	PE	29316	28957	-2	1.85	631	14.61
Blue	B	PerCP-Cy5-5	42590	41514	-3	3.62	1120	20.09
Blue	A	PE-Cy7	33146	33224	0	6.11	631	39.92
Red	C	APC	45473	44921	-2	2.47	1593	12.05
Red	A	APC-Cy7	31961	30638	-5	2.46	809	11.76
Violet	B	V450	7914	7576	-5	4.84	429	12.92
Violet	A	V500	29769	29157	-3	4.71	678	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21345	3.37	608	8	N/A	N/A	Pass
Blue	F	SSC	56595	1.05	553	15	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0237	245	Pass
Blue	D	PE	132	49.42	542	5	0.1659	275	Pass
Blue	B	PerCP-Cy5-5	203	49.79	641	3	0.0093	62	Pass
Blue	A	PE-Cy7	115	99.49	696	5	0.0115	14	Pass
Red	C	APC	377	24.71	585	6	0.0243	101	Pass
Red	A	APC-Cy7	179	28.47	560	4	0.0059	1139	Pass
Violet	B	V450	69	56.10	469	9	0.0597	2428	Pass
Violet	A	V500	102	34.00	481	9	0.0264	1120	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.79	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.37	13.60 - 20.40	N/A	N/A	29.57	29.77	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12273

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments